# INFORMATION SERVICES AND FACILITIES OF THE PROFESSIONALCOLLEGE LIBRARIES IN VINAYAKA MISSION'S UNIVERSITY, SALEM

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## ABSTRACT

This Study Deals with Information Services and Facilities of the Professional College Libraries in Vinayaka Mission's University, Salem. A survey was carried out among the users, along with observation at the Professional College Libraries in Vinayaka Mission's University. Higher education institutions started subscribing to electronic resources to meet the user's requirements and expectations. This paper mainly throws light upon the respondent's order of getting information about the new arrivals in the above said libraries.

**KEYWORDS***: E-Resources and Services, Vinayaka Mission's University Professional Colleges Libraries*

## INTRODUCTION

Performance evaluation of a library and information system or its components can be required for different reasons. For example, the evaluation of the performance of the library and information systems and the resulting data could be used to assess how well the system meets its objectives or for justification of continuance of a service. It can be used to convince institutions that the library needs the same relative share of institutional budget, even if the budget itself is shrinking. In justifying their worth library and information systems are required to prove that they are "performing a useful, relevant and valuable function without which the institution would be the poorer". Thus, library and information systems have to prove that they are useful for the organization and for the purpose for which they are established. In this aspect specifically, the "only way" for library and information systems to make their contributions and worth known to concerned bodies is by using some measure of library performance.

## OBJECTIVES OF THE STUDY

The following are the important objectives of the study:

- To examine the total collection of study materials in the selected professional colleges.

- To examine the growth and adequacy of library collections in the selected professional college libraries.

- To analyse the recall value of the library collections in the selected colleges.

- To find out the physical working conditions in the selected professional college libraries.

- To analyse the frequency and duration of library visits by different types of users.

- To ascertain the effectiveness of library services and facilities from the point of view of different types of users.

- To find out the problems and defects in the existing system of functioning of professional college libraries in the study area.

- To suggest some rational measures to improve the functioning of professional college libraries.

## METHODOLOGY

The present study aims at evaluating the performance and effectiveness of professional college libraries affiliated to Vinayaka Mission's University, Salem, Tamil Nadu state, India. This study is undertaken from two aspects. The first aspect of view is evaluation of performance of library services and facilities and it could be judged from library personnel. The next aspect of view is assessing the performance of library services and facilities from the points of view of the users. Hence, it is primarily an evaluatory study. However, the effectiveness of library services is anlysed with the socio-economic background of the users. Thus, it gives an analytical orientation to this study. In general, the design of this study comes under evaluatory cum analytical method.

## SAMPLING

Sampling was done in two ways. The first one is selection of professional colleges affiliated to Vinayaka Mission's University and the second one is that of user respondents. Vinayaka Mission has its 16 affiliated professional colleges among them there are 10 colleges selected by adopting simple random sampling method. In order to study the effectiveness of library services the user respondents were selected. From each college 50 user respondents were selected by adopting purposive random sampling method. So totally 500 user respondents were selected from the 10 colleges.

## DATA COLLECTION

In order to collect primary data from the study units, the author has employed two different types of questionnaires. A library survey was conducted by visiting all the 10 professional college libraries. The relevant data were obtained from the library personnel by adopting well structured questionnaire method. The questionnaires were circulated to the library personnel and thereby relevant data are obtained. The effectiveness of library services is affected by collecting data from the user respondents with the help of questionnaire.

## DATA ANALYSIS

The collected data have been coded in the computer programme, through which they have been classified and tabulated. Further, cross tabulation is made focusing on socio-economic background of the users and their views on the effectiveness of library services. Exponential growth model is applied to study the trends in the growth of library collection among the study units. It is written as antilog of coefficient-1 (100). To study inter-college variation with respect to total library collection, possession of various types of library materials and budget expenditure, the ANOVA two-way model is applied. The chi-square test is applied to study the association between user respondents' socio-economic background and their views on the effectiveness of library services and facilities. It is also applied to study the frequency and duration of library visits and utility of library services. The general data interpretation is carried out mainly with the help of percentage analysis along with averages. Diagrammatic and graphical representations are also made according to their requirements of the study.

## ANALYSIS AND INTERPRETATION

**Table 1: College Wise Respondents' Order of Getting Information about
New Arrivals through Display in the New Arrival Area**

| Sl. No | Name of the College | I | II | III | IV | V | Total |
|---|---|---|---|---|---|---|---|
| 1 | Vinayaka Mission's College of Pharmacy | 21 (42) | 9 (18) | 11 (22) | 4 (4) | 5 (10) | 50 |
| 2 | Vinayaka Mission's Sankaracharyar Dental College | 20 (40) | 11 (22) | 8 (8) | 8 (16) | 3 (6) | 50 |
| 3 | Vinayaka Mission's Kirupananda Variyar Engineering College | 24 (48) | 9 (18) | 7(14) | 6 (12) | 4 (8) | 50 |
| 4 | Vinayaka Mission's Annapoorana College of Nursing | 21 (42) | 7 (14) | 9 (18) | 10 (20) | 3 (6) | 50 |
| 5 | Vinayaka Mission's College of Physiotherapy | 26 (52) | 9 (18) | 7 (14) | 5 (10) | 3 (6) | 50 |
| 6 | Vinayaka Mission's Kirupananda Variyar Medical College | 26 (52) | 11(22) | 9(18) | 3(6) | 1(2) | 50 |
| 7 | Vinayaka Mission's Medical College | 23 (46) | 12 (24) | 8 (16) | 3 (6) | 4 (8) | 50 |
| 8 | Aarupadai Vedu Institute of Technology | 20 (40) | 14 (28) | 9 (18) | 5 (10) | 2 (4) | 50 |
| 9 | Vinayaka Mission's Homoeopathic Medical College | 19 (38) | 5 (10) | 6 (12) | 6 (12) | 4 (8) | 50 |
| 10 | Aarupadai Vedu Medical College | 21 (42) | 9 (18) | 10 (20) | 3 (6) | 7 (14) | 50 |
| **Total** | | **221 (44.20)** | **106 (21.20)** | **84 (16.80)** | **53 (10.60)** | **36 (7.20)** | **500** |

(Figures in Parentheses denote Percentage)

Table 1 presents data on the college wise respondents order of getting information about new arrivals through display in the new arrival area. It could be observed that out of the 500 sampled respondents, 44.20 percent of them attribute first priority in respect of getting new arrivals in the form of display in the new arrival area and 21.20 percent of them consider it as second in order of priority. Majority of the respondents among the Vinayaka Mission's Kirupananda variyar Medical college, Vinayaka Mission's college of Physiotherapy and Vinayaka Mission's Kirupananda variyar Engineering College give first priority to get information through display in the new arrival area. Out of total respondents, 21.20 percent of them rated second and 16.80 percent of them rated third priority in getting information about new arrivals in the form of display in new arrival area. Majority of the respondents among Vinayaka Mission's Medical College, Aarupadai Vedu Institute of Technology, Vinayaka Mission's' College of Pharmacy and Aarupadai Vedu Medical College avail the information about new arrivals in the above order of priority. It could be seen clearly from the above discussion that display of library materials in the new arrival area is more beneficial to the library users of Vinayaka Mission's Kirupnanda Variyar Medical College, Vinayaka Mission's College of Physiotherapy and Vinayaka Mission's Kirupananda Variyar Engineering College then those of other colleges.

**Table 2: College Wise Respondents' Order of Getting Information about
New Arrivals through the List of Additions in the Notice Board**

| Sl. No | Name of the College | I | II | III | IV | V | Total |
|---|---|---|---|---|---|---|---|
| 1 | Vinayaka Mission's College of Pharmacy | 14 (28) | 17 (24) | 6 (12) | 7 (14) | 6 (12) | 50 |
| 2 | Vinayaka Mission's Sankaracharyar Dental College | 16 (32) | 15 (30) | 9 (18) | 6 (12) | 4 (8) | 50 |
| 3 | Vinayaka Mission's Kirupananda Variyar Engineering College | 13 (26) | 15 (30) | 11 (22) | 8 (16) | 3 (6) | 50 |
| 4 | Vinayaka Mission's Annapoorana College of Nursing | 15 (30) | 13 (26) | 13 (26) | 5 (10) | 4 (8) | 50 |
| 5 | Vinayaka Mission's College of Physiotherapy | 17 (34) | 12 (24) | 11 (22) | 3 (6) | 7 (14) | 50 |
| 6 | Vinayaka Mission's Kirupananda Variyar Medical College | 19 (38) | 10 (20) | 8 (16) | 6 (12) | 7 (14) | 50 |
| 7 | Vinayaka Mission's Medical College | 15 (30) | 9 (18) | 12 (24) | 5 (10) | 9 (18) | 50 |
| 8 | Aarupadai Vedu Institute of Technology | 11 (22) | 10 (20) | 9 (18) | 11 (22) | 9 (18) | 50 |
| 9 | Vinayaka Mission's Homoeopathic Medical College | 14 (28) | 12 (24) | 6 (12) | 8 (16) | 10 (20) | 50 |
| 10 | Aarupadai Vedu Medical College | 17 (34) | 9 (18) | 5 (10) | 8 (16) | 11 (22) | 50 |
| | **Total** | **151(30.20)** | **122(24.40)** | **90(18.00)** | **67(13.40)** | **70(14.00)** | **500** |

(Figures in Parentheses denote Percentage)

Table 2 presents data on college wise respondents' order of getting information about new arrivals through a list of additions in the notice board. It could be observed that out of the total 500 respondents' 30.20 percent of them give first order of priority of getting information about new arrivals through a list of addition in the notice board. 24.40 percent of them say it is second in order of utility and 18.00 percent of them consider it is third in order of utility. The respondents of Vinayaka Mission's Kirupnanda Variyar Medical College are numbered more among first order of supporting this source of information than those of other colleges. Out of total respondents, 13.40 percent of them give the fourth order of priority in getting library information through a list of addition in the notice board and the respondents of Aarupadai Vedu Institute of Technology are the major reporters of this order of priority. Moreover, 14 percent of the total respodents' give the fifth order of priority in getting information about new arrivals through a list of additions in the notice board. This order of priority is stated more by the respondents of Aarupadai Vedu Medical College than by those of other colleges. It could be seen clearly from the above discussion that the list of addition in the notice board, as a source of information about new arrivals is less beneficial to the users of Vinayaka Mission's Kirupananda Variyar Engineering College than those in other colleges.

**Table 3: College Wise Respondents' Order of Getting Information
about New Arrivals through Library Catalogue**

| Sl. No | Name of the College | I | II | III | IV | V | Total |
|---|---|---|---|---|---|---|---|
| 1 | Vinayaka Mission's College of Pharmacy | 8 (16) | 11 (22) | 14 (28) | 10 (20) | 7 (14) | 50 |
| 2 | Vinayaka Mission's Sankaracharyar Dental College | 7 (14) | 15 (30) | 11 (22) | 9 (18) | 8 (16) | 50 |
| 3 | Vinayaka Mission's Kirupananda Variyar Engineering College | 9 (18) | 13 (26) | 15 (30) | 7 (14) | 6 (12) | 50 |

| | Table 3: Contd, | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | Vinayaka Mission's Annapoorana College of Nursing | 11 (22) | 10 (20) | 13 (26) | 12 (24) | 4 (8) | 50 |
| 5 | Vinayaka Mission's College of Physiotherapy | 8 (16) | 11 (22) | 13 (26) | 10 (20) | 8 (16) | 50 |
| 6 | Vinayaka Mission's Kirupananda Variyar Medical College | 14 (28) | 10 (20) | 12 (24) | 8 (16) | 6 (12) | 50 |
| 7 | Vinayaka Mission's Medical College | 11 (22) | 12 (24) | 14 (28) | 6 (12) | 7 (14) | 50 |
| 8 | Aarupadai Vedu Institute of Technology | 9 (18) | 13 (26) | 10 (20) | 14 (28) | 4 (8) | 50 |
| 9 | Vinayaka Mission's Homoeopathic Medical College | 8 (16) | 11 (22) | 10 (20) | 11 (22) | 10 (20) | 50 |
| 10 | Aarupadai Vedu Medical College | 7 (14) | 12 (24) | 9 (18) | 13 (26) | 9( 18) | 50 |
| | **Total** | **92 (18.40)** | **118 (23.60)** | **121 (24.20)** | **100 (20.00)** | **69 (13.80)** | **500** |

(Figures in Parentheses denote Percentage)

A study of data in table 3 indicates college wise respondents' order of getting information about new arrivals through library catalogue. It could be observed that out of the total 500 surveyed respondents, 18.40 percent of them rated library catalogue in the first order of priority in getting information about new arrivals, 23.60 percent of them regarded it as second order of priority and 24.20 percent of them considered it as third order of priority. Among the study colleges, Vinayaka Mission's Kirupananda Variyar Medical College occupy the first position in respect of library catalogue as the priority source of library information about the new arrival of library, as per the views of user respondents. Out of total respondents 20 percent of them consider it is the fourth order to avail information about new arrivals in the library through library catalogue and respondents of Aarupadai Vedu Institute of Technology are the main supporters of this view. Moreover, 13.80 percent of the total respondents attribute fifth order of priority for getting information about new arrivals in the library through catalogue and this view is reflected more by the respondents of Vinayaka Mission's' Homoeopathic Medical College than by those of other colleges. It could be seen clearly from the above discussion that respondents of Vinayaka Mission's Annapoorana College of Nursing and Aarupadai Vedu Institute of Technology are least concerned with getting information about new arrivals through library catalogue.

**Table 4: College Wise Respondents' Order of Getting Information about New Arrivals through Library Staff**

| Sl. No | Name of the College | I | II | III | IV | V | Total |
|---|---|---|---|---|---|---|---|
| 1 | Vinayaka Mission's College of Pharmacy | 8 (16) | 10 (20) | 9(18) | 12 (24) | 11 (22) | 50 |
| 2 | Vinayaka Mission's Sankaracharyar Dental College | 9 (18) | 9 (18) | 11 (22) | 10 (20) | 11 (22) | 50 |
| 3 | Vinayaka Mission's Kirupananda Variyar Engineering College | 11 (22) | 8 (16) | 13 (26) | 8 (16) | 10 (20) | 50 |
| 4 | Vinayaka Mission's Annapoorana College of Nursing | 10 (20) | 7 (14) | 11 (22) | 12 (24) | 10 (20) | 50 |
| 5 | Vinayaka Mission's College of Physiotherapy | 10 (20) | 12 (24) | 9 (18) | 11 (22) | 8 (16) | 50 |

| | Table 4: Contd, | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | Vinayaka Mission's Kirupananda Variyar Medical College | 9 (18) | 11 (22) | 12 (24) | 13 (26) | 5 (10) | 50 |
| 7 | Vinayaka Mission's Medical College | 8 (16) | 8 (16) | 13 (26) | 10 (20) | 11 (22) | 50 |
| 8 | Aarupadai Vedu Institute of Technology | 15 (30) | 10 (20) | 9 (18) | 14 (28) | 2 (4) | 50 |
| 9 | Vinayaka Mission's Homoeopathic Medical College | 11 (22) | 8 (16) | 7 (14) | 12 (24) | 12 (24) | 50 |
| 10 | Aarupadai Vedu Medical College | 6 (12) | 12(24) | 11 (22) | 8(16) | 13 (26) | 50 |
| **Total** | | **97 (19.40)** | **95 (19.00)** | **105 (21.00)** | **110 (22.00)** | **93 (18.60)** | **500** |

(Figures in Parentheses denote Percentage)

Data presented in table 4 indicates college wise respondents' order of getting information about new arrivals through library staff. It could be observed that out of total 500 respondents, 19.40 percent of them give the first order of priority in respect of getting information about new arrivals through library staff and 19 percent of them regard it as second in order of priority. In general, respondents of Aarupadai Vedu Institute of technology occupy the first position in acquiring information about new arrivals through library staff. Out of total respondents, 21 percent of them consider library staff as third order priority in getting information about new arrivals and 22 percent of them consider it as fourth in order of priority. The users of Aarupadai Vedu Institute of technology and Vinayaka Mission's Kirupananda Variyar Medical College are the major reporters of the fourth order priority for depending on the library staff to obtain information about new arrivals. Moreover, 18.60 percent of the total respondents gives the last order of priority in respect of getting information about new arrivals through library staff. Majority of the library users of Aarupadai Vedu Medical College comes under this order of depending on library staff to obtain information about new arrivals. It could be seen clearly from the above discussion that users of Aarupadai Vedu Institute of Technology occupy the first position in getting information about new arrivals through library staff.

**Table 5: College Wise Respondents' Order of Getting Information about New Arrivals through Friends, Teachers and Students**

| Sl. No | Name of the College | I | II | III | IV | V | Total |
|---|---|---|---|---|---|---|---|
| 1 | Vinayaka Mission's College of Pharmacy | 12 (24) | 9 (18) | 11 (22) | 6 (12) | 12 (24) | 50 |
| 2 | Vinayaka Mission's Sankaracharyar Dental College | 9 (18) | 12 (24) | 10 (20) | 9 (18) | 10 (20) | 50 |
| 3 | Vinayaka Mission's Kirupananda Variyar Engineering College | 8 (16) | 11 (22) | 13 (26) | 6 (12) | 12(24) | 50 |
| 4 | Vinayaka Mission's Annapoorana College of Nursing | 7 (14) | 10 (20) | 14 (28) | 8 (16) | 11 (22) | 50 |
| 5 | Vinayaka Mission's College of Physiotherapy | 9 (18) | 13 (26) | 12 (24) | 7 (14) | 9 (18) | 50 |
| 6 | Vinayaka Mission's Kirupananda Variyar Medical College | 8 (16) | 12 (24) | 10 (20) | 14 (28) | 6 (12) | 50 |
| 7 | Vinayaka Mission's Medical College | 14 (28) | 10 (20) | 12 (24) | 6 (12) | 8 (16) | 50 |

| | Table 5: Contd, | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | Aarupadai Vedu Institute of Technology | 12 (24) | 11 (22) | 10 (20) | 6 (12) | 11 (22) | 50 |
| 9 | Vinayaka Mission's Homoeopathic Medical College | 6 (12) | 12(24) | 11(22) | 14(28) | 7(14) | 50 |
| 10 | Aarupadai Vedu Medical College | 16 (32) | 13 (26) | 11 (22) | 5 (10) | 5 (10) | 50 |
| **Total** | | **101 (20.20)** | **113 (22.60)** | **114 (22.80)** | **81 (16.20)** | **91 (18.20)** | **500** |

(Figures in Parentheses denote Percentage)

Data presented in table 5 indicate college wise respondents order of getting information about new arrivals through friends and teachers. It could be observed that out of the total 500 respondents, 20.20 percent of them give the first order of priority in getting information about new arrivals through friends and teachers. This view is supported by the respondents of Aarupadai Vedu Medical College than by those of other colleges. Out of the total respondents' 22.60 percent o them give second order of priority for getting information about new arrivals through friends and teachers. This view has been stated more by the users of Vinayaka Mission's college of Physiotherapy. Among the surveyed 500 respondents, 22.80 percent and 16.20 percent of them give the third and fourth order of priority respectively for getting information about new arrivals through friends and teachers. This view is found more among the respondents of Vinayaka Mission's Annapoorana College of Nursing than among other colleges.

Out of the total 500 respondents, 18.20 percent of them give the fifth order priority in getting information about new arrivals through friends and teachers. Vinayaka Mission's college of Pharmacy and Vinayaka Mission's Kirupananda variyar Engineering college than other colleges. It could be seen clearly from the above discussion that users of Aarupadai Vedu Medical College and Vinayaka Mission's Medical College remarkably rely more on library's new arrival information through friends and teachers than those of other colleges.

**Table 6: College Wise Respondents' Ranking Order of Reference of Books as Reading Materials**

| Sl. No | Name of the College | I | II | III | IV | V | VI | Total |
|---|---|---|---|---|---|---|---|---|
| 1 | Vinayaka Mission's College of Pharmacy | 18 (16) | 10 (20) | 6 (12) | 5 (10) | 6 (12) | 5 (10) | 50 |
| 2 | Vinayaka Mission's Sankaracharyar Dental College | 16 (32) | 9 (18) | 10 (20) | 7 (14) | 5 (10) | 3 (6) | 50 |
| 3 | Vinayaka Mission's Kirupananda Variyar Engineering College | 15 (30) | 16 (32) | 8 (16) | 5 (10) | 4 (8) | 2 (4) | 50 |
| 4 | Vinayaka Mission's Annapoorana College of Nursing | 19 (38) | 12 (24) | 8 (16) | 4 (8) | 3 (6) | 4 (8) | 50 |
| 5 | Vinayaka Mission's College of Physiotherapy | 10 (20) | 11 (22) | 10 (20) | 8 (16) | 6 (12) | 5 (10) | 50 |
| 6 | Vinayaka Mission's Kirupananda Variyar Medical College | 22 (44) | 14 (28) | 8(16) | 2(4) | 3(6) | 1(2) | 50 |
| 7 | Vinayaka Mission's Medical College | 10 (20) | 13 (26) | 10 (20) | 6 (12) | 6 (12) | 5 (10) | 50 |

**Table 6 – Cond.,**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 8 | Aarupadai Vedu Institute of Technology | 8 (16) | 10 (20) | 12 (24) | 14 (28) | 4 (8) | 2 (4) | 50 |
| 9 | Vinayaka Mission's Homoeopathic Medical College | 7 (14) | 5 (10) | 8 (16) | 10 (20) | 12 (24) | 8 (16) | 50 |
| 10 | Aarupadai Vedu Medical College | 10 (20) | 12 (24) | 14 (28) | 8 (16) | 4 (8) | 2 (4) | 50 |
| | **Total** | **135 (27.00)** | **106 (21.20)** | **100 (20.00)** | **69 (13.80)** | **53 (10.60)** | **37 (7.40)** | **500** |

(Figures in Parentheses denote Percentage)

Data presented in table 6 indicate college wise respondents ranking order of preference of books as reading materials in the selected colleges. It could be observed that out of the 500 surveyed respondents, 27 percent of them occupy the first position in their choice of selecting books as reading materials and 21.20 percent of them take the next position. This views has been stated more by the users of Kirupananda Variyar medical College and vinayaka Mission's college of Nursing than by other colleges. Out of the total 500 respondents, 20 percent of them give third priority to books as reading material and 13.80 percent of them give the fourth priority. This views is found more among the respondents' of Aarupadai Vedu Medical College and Aarupadai Vedu Institute of technology than among other colleges. Among the total of 500 surveyed respondents, 10.60 percent of them give the fifth priority to books as reading materials and the rest 7.40 percent of them consider it as the last priority. It could be seen clearly from the above discussion that the respondents' of Vinayaka Mission's Kirupananda Variyar Medical College have given top most priority to books as major library reading materials.

## FINDINGS AND CONCLUSIONS

The findings of the college wise respondents' order of getting information about new arrivals through display in the new arrival area we could conclude the following facts: that the display of library materials in the new arrival area is more beneficial to the library users of Vinayaka Mission's Kirupnanda Variyar Medical College, Vinayaka Mission's College of Physiotherapy and Vinayaka Mission's Kirupananda Variyar Engineering College than those of other colleges. The findings of the college wise respondents' order of getting information about new arrivals through the list of additions in the Notice board reveal the fact that less beneficial to the users of Kirupananda Variyar Engineering College than those in other colleges. The findings of the college wise respondents' order of getting information about new arrivals through library catalogue bring out the fact that the respondents of Vinayaka Mission's Annapoorana College of Nursing and Aarupadai Vedu Institute of Technology are least concerned with getting information about new arrivals through library catalogue. The findings of the college wise respondents' order of getting information about new arrivals through library staff bring out the fact that the users of Aarupadai Vedu Institute of Technology occupy the first position in getting information about new arrivals through library staff. The findings of the college wise respondents' order of getting information about new arrivals through friends and teachers bring out the fact that the users of Aarupadai Vedu Medical College and Vinayaka Mission's Medical College remarkably rely more on libraries new arrival information through friends and teachers than those of other colleges. The findings of the college wise respondents' order of preference of books as Reading materials reveal the following fact that the respondents' of Kirupananda Variyar Medical College have given top most priority to books as major library reading materials.

## REFERENCES

1. Hong (Iris) Xie. (2006). Evaluation of Digital Libraries: Criteria and problems from users' perspectives. *Library & Information Science Research*, 28: 433-452.

2. Hugh F. Cline, "Building Library Collections". D. C. Health and Company, Toroanto, 1981, p.72.

3. Maheswarappa, B. S. and Prakash, B. P, "Literture use pattern by the researchers in the field of Botany", Journal of library and Information science, Vol.7, No. 1, 1982, pp15-32.

4. Malliah, T. Y. and Sumangala, K. S. (1999). Library and Information service facilities in Mangalore University Library Post-Graduate Students point of view: A survey. *Indian Journal of Information, Library and Society*, 12 (3 & 4): 110-125.

5. Mary T. Kim. (1991). Ranking of Journals in library and information science: a comparison of perceptual and citation based measures, *College and Research Libraries*, 52 (1):24-37.

6. Willemse, J. (1995). The Impact of performance on library and information services: A decade of experience. In: Pat Wressel, ed. Proceedings of the 1st International Conference on Performance Measurement in Libraries and Information Services. Newcastle upon Tyne: Information North: 11-32.

7. Michail Salampasis, John Tait and Chris Bloor, (1998). Evaluation of information-seeking performance in hypermedia digital libraries: *Interacting with computers,* 10: 269-284.

8. Mickey Moskowitz. (1984). Collection and development and the college library: a state of the art review. *Collection Building*, 6 (20: 5-10.

9. Paul, Even Peters, "A Frame work for the development of performance measurement standards in Libraries and Information technology", 1988.

10. Malliah, T. Y. and Sumangala, K. S. (1999). Library and Information service facilities in Mangalore University Library Post-graduate students point of view: A survey. *Indian Journal of Information, Library and Society*, 12 (3 & 4): 110-125.